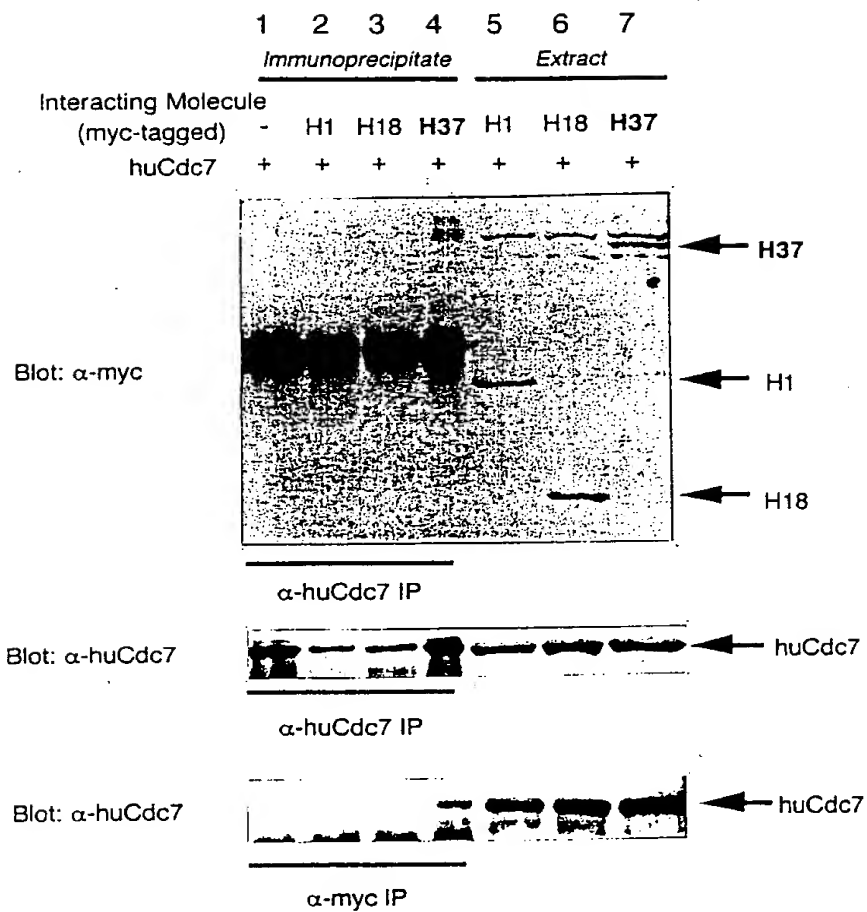


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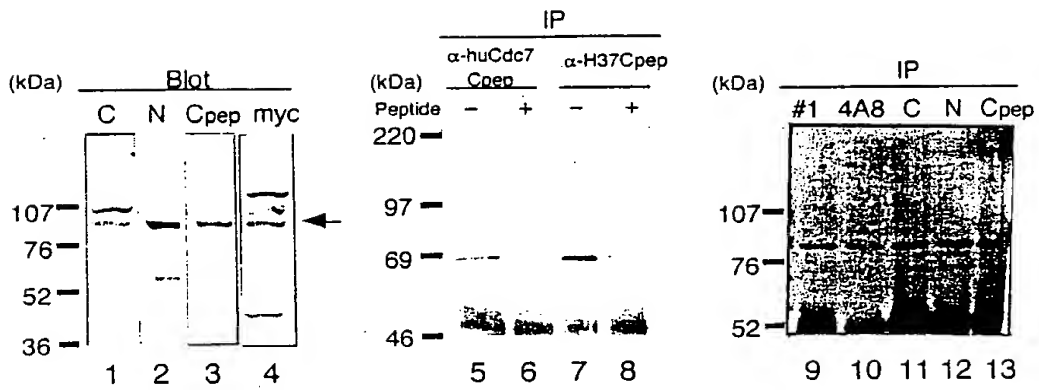
Fig.1



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Fig.2

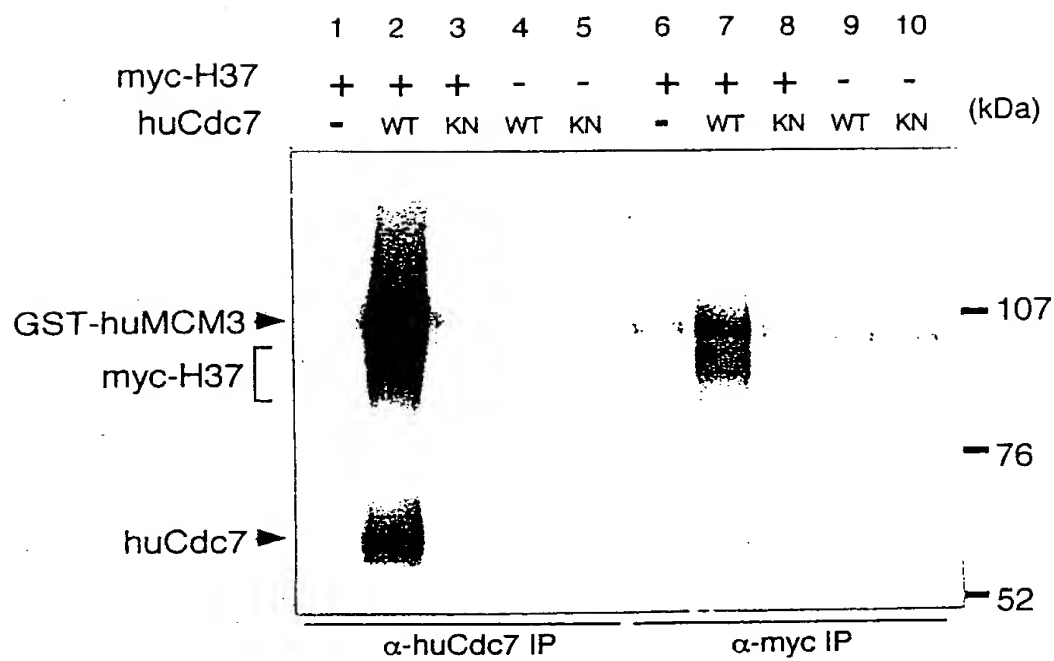


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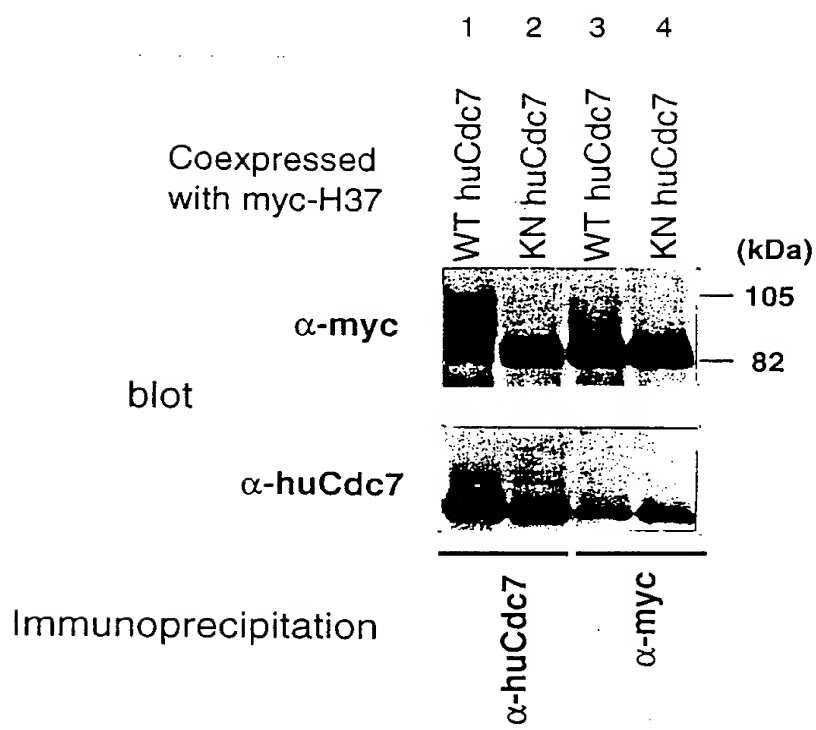
Fig.3



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Fig.4



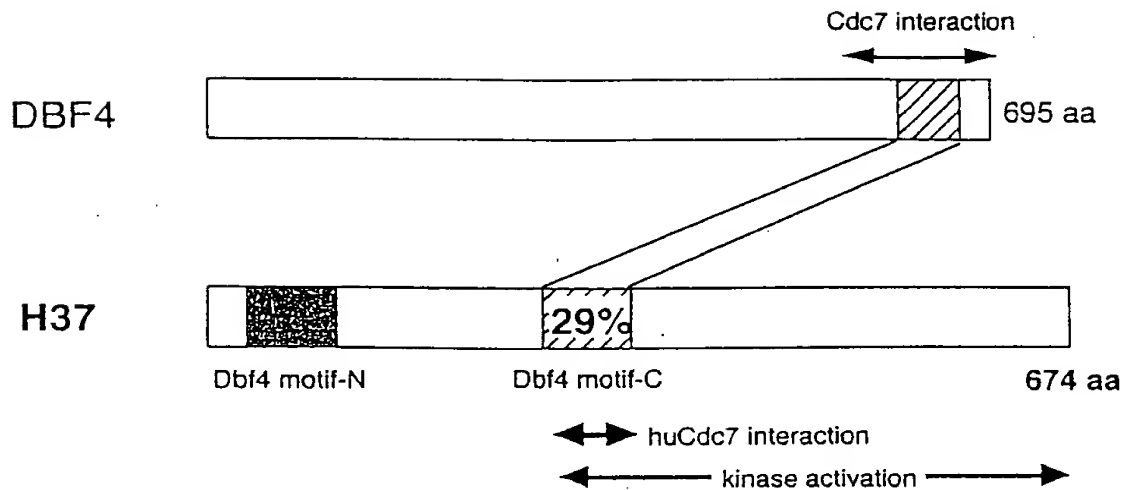
100E20" 4190E860

Fig.5

1 10 20 30 40 50 60
MNSGAMRIHSKGFQGGGIQVKNEKNRPSLSKSLKTDNRPEKSKCKPLWGKVFYLDLPSVTI
Dbf4 motif-N
61 70 80 90 100 110 120
SEKLOKDIKDLGGRVVEEFLSKDISYLLISNKKEAKFAOTLGRISPVSPSPESAYTAETTSPH
121 130 140 150 160 170 180
PSHDGSSFSKSPDTVCLSRGKLLVEKAIKDHDFIPSNLSILSNALSWGKILHIDDIRYYIE
181 190 200 210 220 230 240
QKKKELYLLKKSSTSVRDGGKRVGSGAQKTRTGRLLKPPFVKVEDMSQLYRPFYLQLTNMP
241 250 260 270 280 290 300
FINYSIQKPCSPFDVDKPPSSMQKOTQVKLRIOTDGDKYGGTSIQLOLKEKKKKGYCECCL
Dbf4 motif-C
301 310 320 330 340 350 360
QKYEDLETHLLSEQHRNFAQSNQYQVVDDIVSKLVFDFVEYEKDTPKKKRIKYSVGSLSP
361 370 380 390 400 410 420
VSASVLKKTEQKEKVELQHISQKDCQEDDTTVKEQNFLYKETQETEKLLFISEPIPHPS
421 430 440 450 460 470 480
NELRGLNEKMSNKCSMLSTAEDDIRQNFTQLPLHKNKQECILDISEHTLSENDLEELRVD
481 490 500 510 520 530 540
HYKCNIQASVHVSDFDSTDNGSQPKQKSDTVLFPKDLKEKDLHSIFTHDSGLITINSSQ
541 550 560 570 580 590 600
EHLTVQAKAPFHTPPEEPNECDFKNMDSLPSGKIHRKVKIILGRNRKENLEPNAEFDKRT
601 610 620 630 640 650 660
EFITQEENRICSSPVQSLDLFQTSEEKSEFLGFTSYTEKSGICNVLDIWEENESDNLLT
661 670 674
AFFSSPSTSTFTGF*

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Fig.6



Dbf4 motif-N

H37 32: **LDNDNF** **FEKSK** **CKPL** **WGR** **FYLDLPS** **VTI** **SEKLOKDI** **KDI** **GGRVEEFL** **SKDTSY** **LISNKK** 91

mu-H37 : **LKADNF** **LEKSK** **YKPL** **WGR** **FYLDLPS** **VTI** **CEKLOKDI** **KDI** **GGRVEEFL** **SKDISYFVSNKK**

Dm-H37 : **TPPKVKV** **IKSK** **FPL** **CHFK** **FYLT** **ICDHQLAKRIES** **DIKAL** **GCHL** **EFFLS** **DDIT** **EVTD** **RP**

*** ** ***** ** * * * *

huDbf4N 92: **EAKFAQT** 98

muDbf4N **EAKYAQT**

DmDbf4N **IVIGGTS**

*

Dbf4 motif-C

H37 263: **RQTQVKLR** **IQTDGDKYGC** **TSIQLQLKEK** **KKK** **GYCECGLQKYEDLE** **THLL** **SECHRNFAQSN** 322

mu-H37 : **RQAQPKLR** **INMDGDKC** **GPVQLQLKEK** **KKK** **GYCECGLQKYEDLE** **THLL** **SECHRNFAQSN**

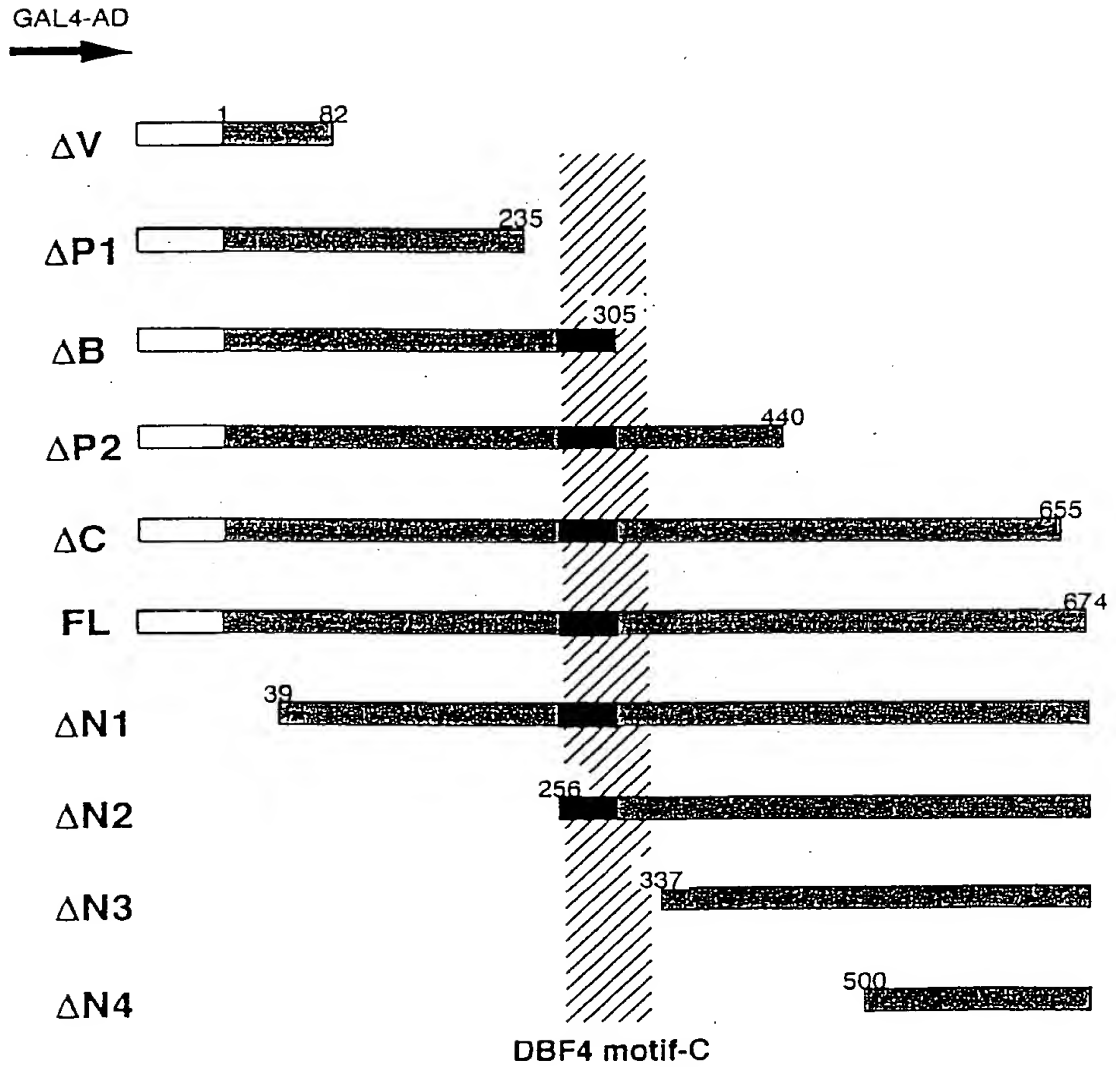
Dm-H37 : **PSLQELKKQSAIPNSPRSNCREPIDSSKQCGVCEICKLEYDILNIHL** **OSKDHLEFAKNS**

Dbf4 619: **KKSTSTNVT** **LHFNAQTAC** **IAQPVKKETV** **KNSGYCHNCRV** **KYESLE** **CHIVSL** **KL** **SFAE** **N** 677

*** * * * * *

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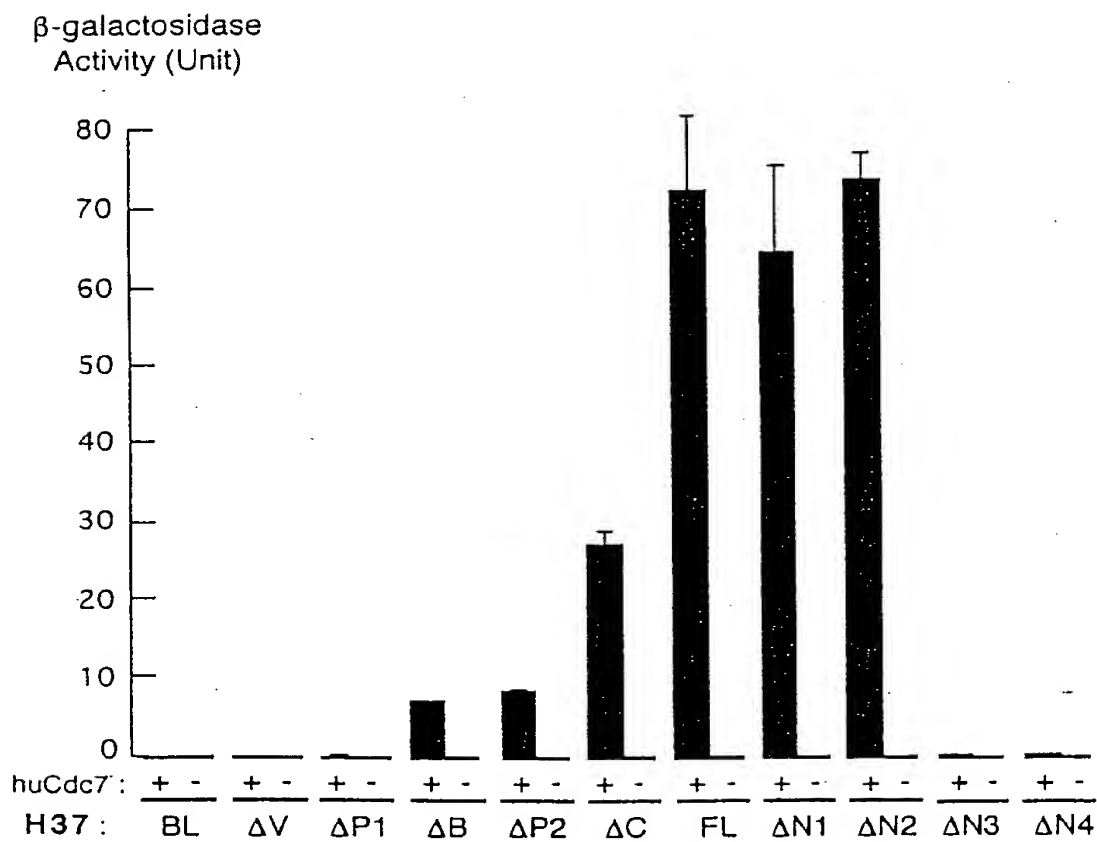
Fig. 7



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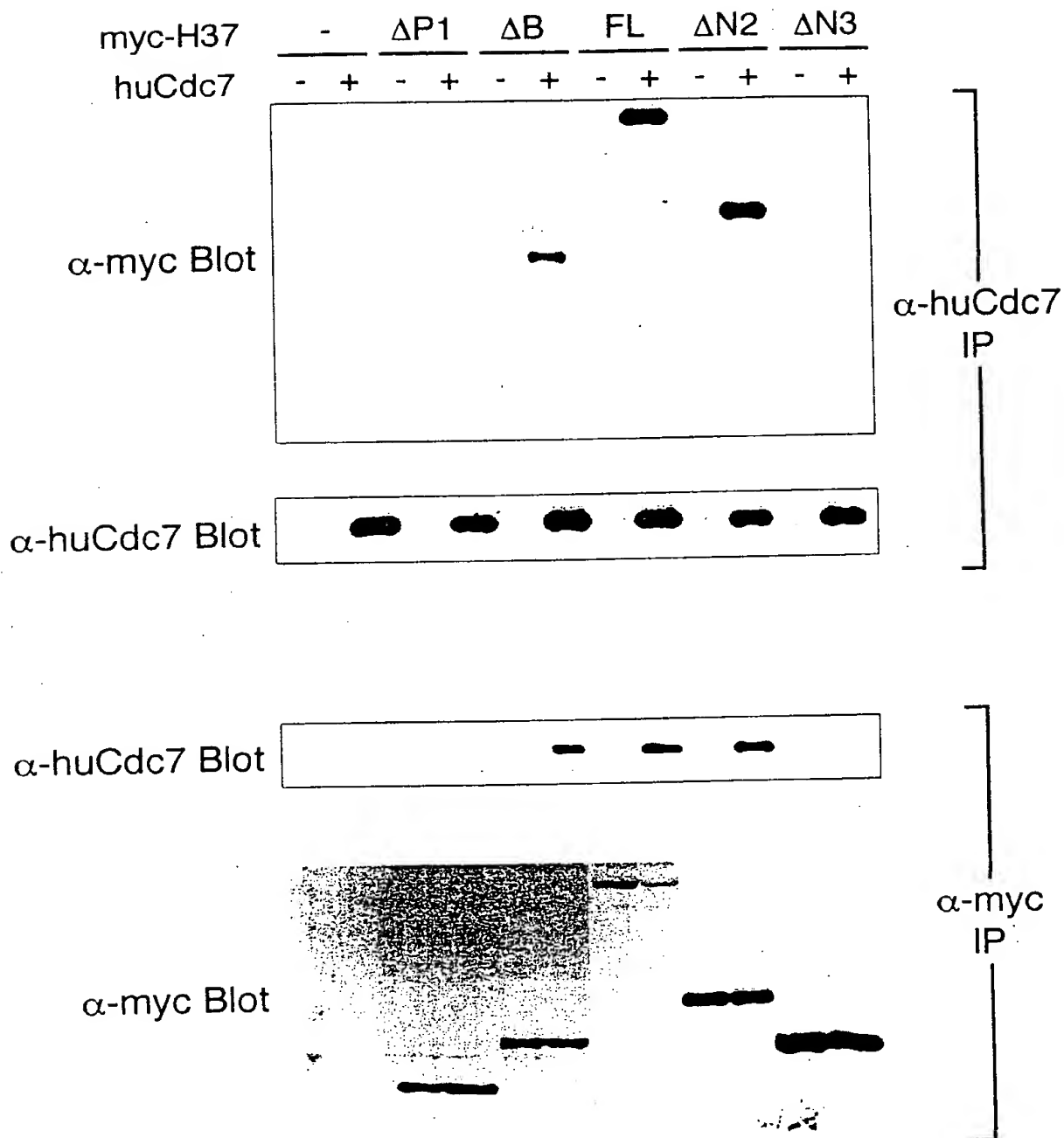
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Fig.8



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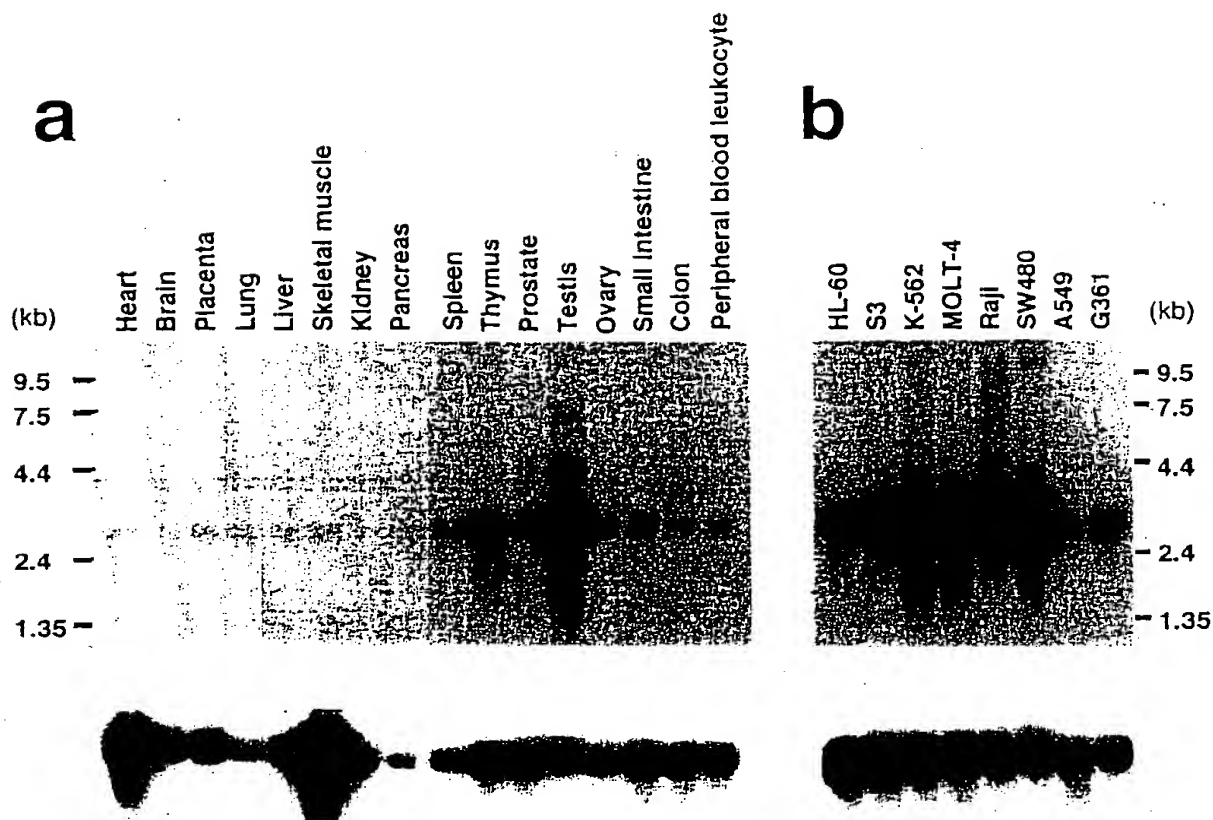
Fig.9



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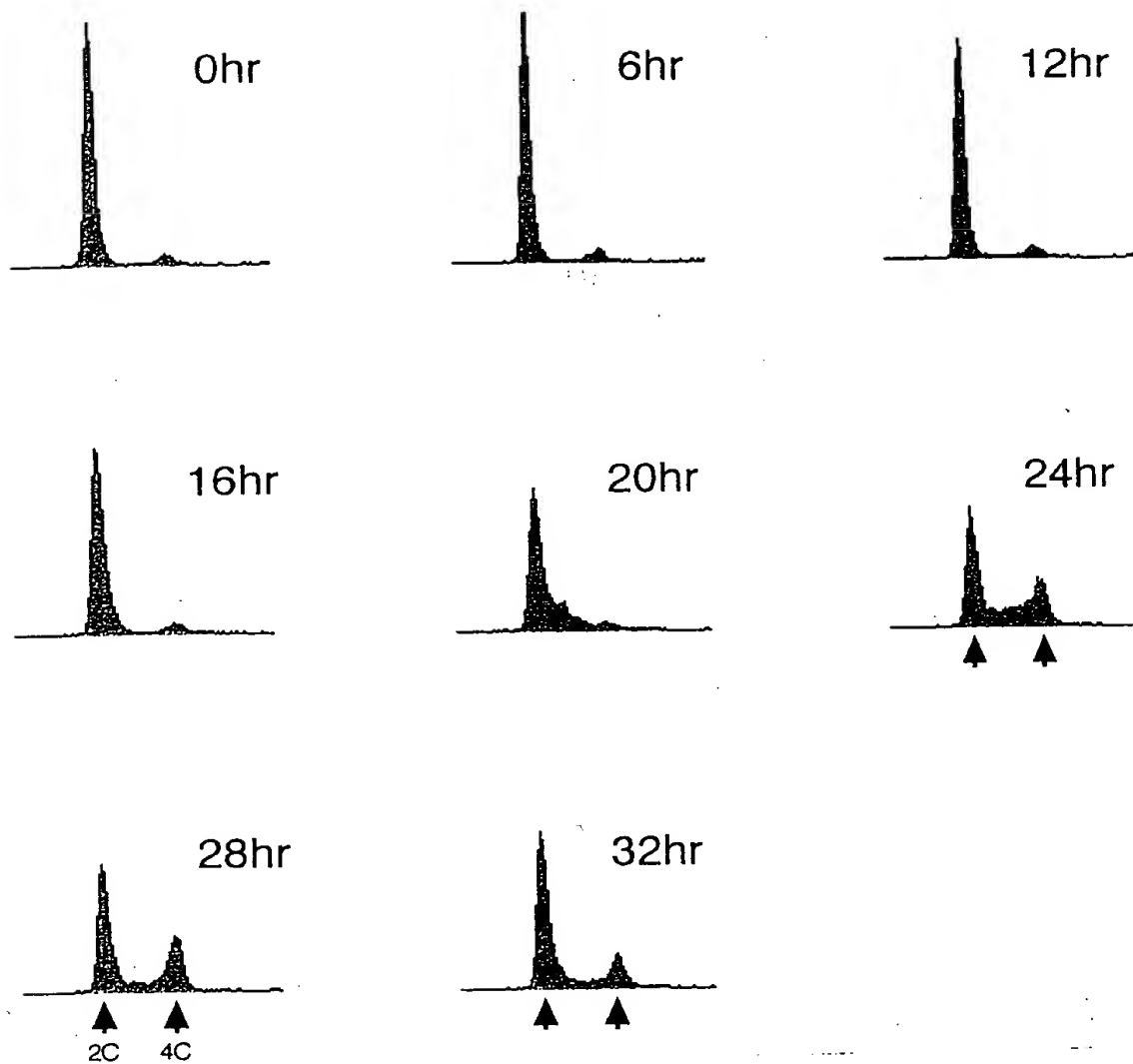
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Fig.10



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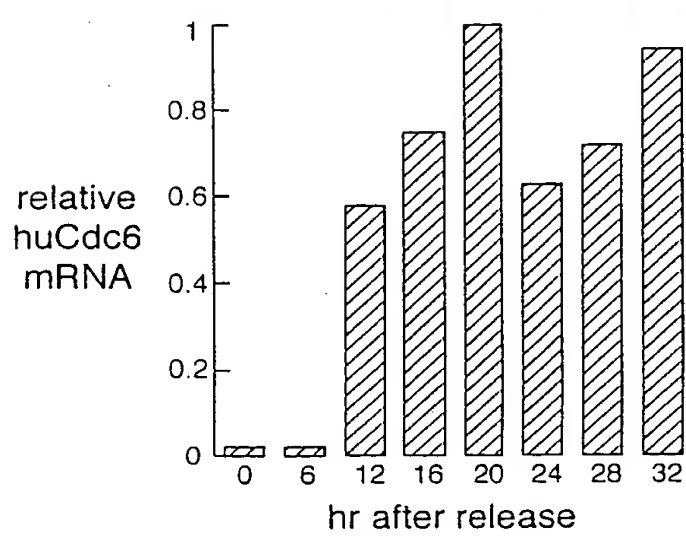
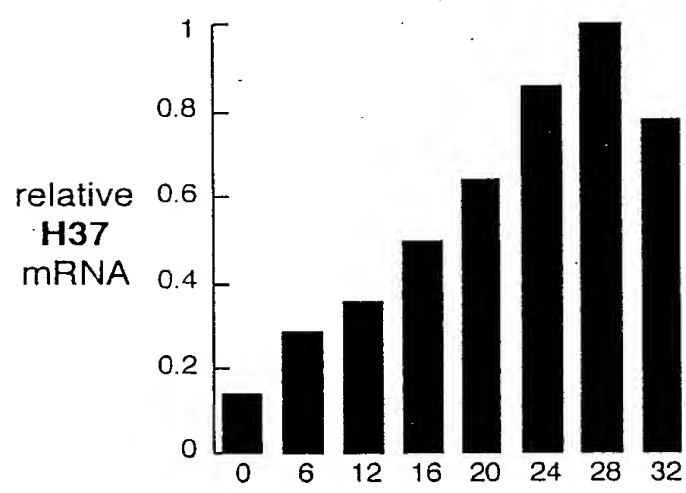
Fig.11



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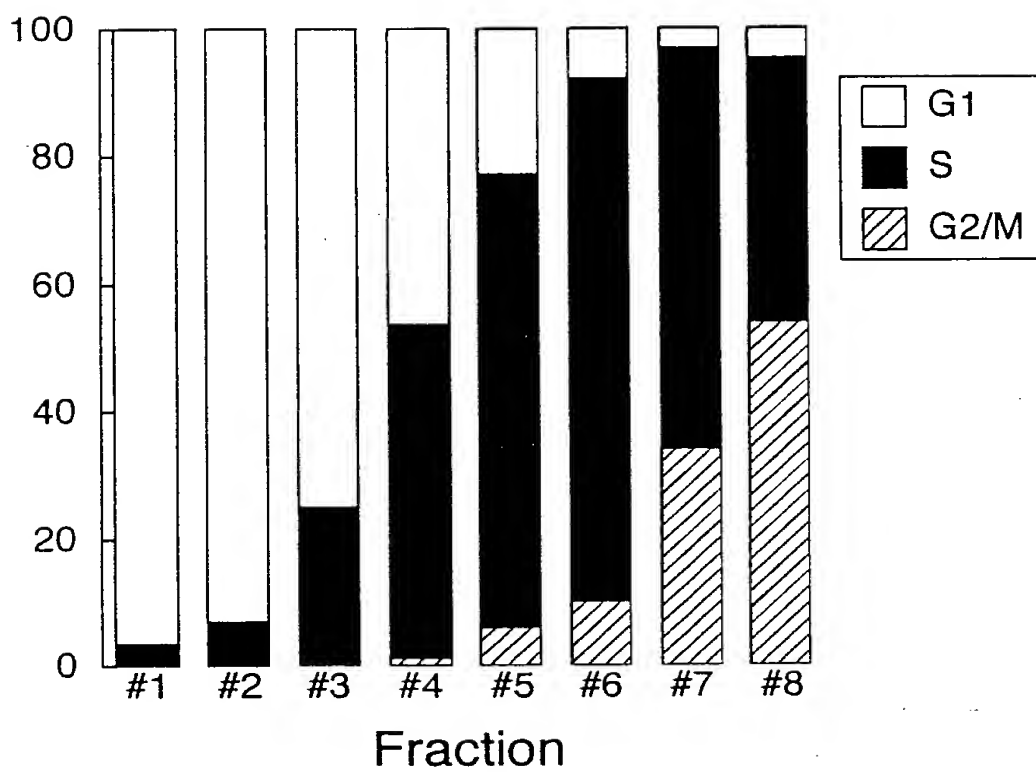
Fig. 12



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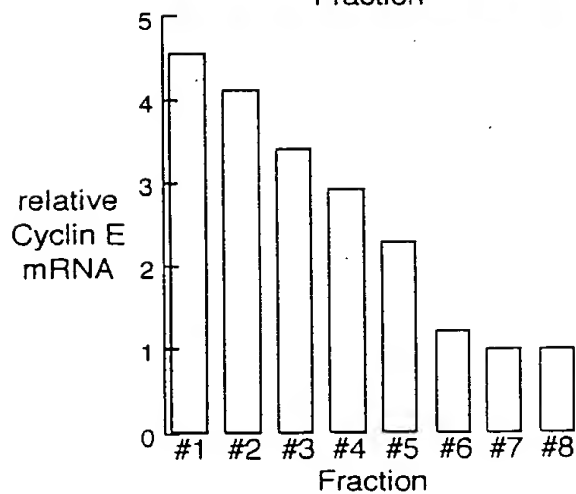
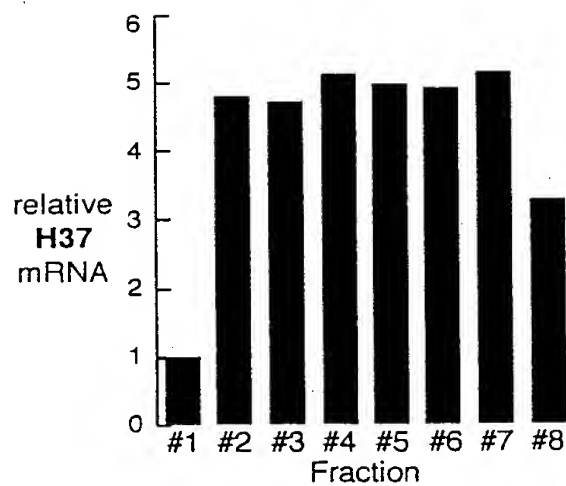
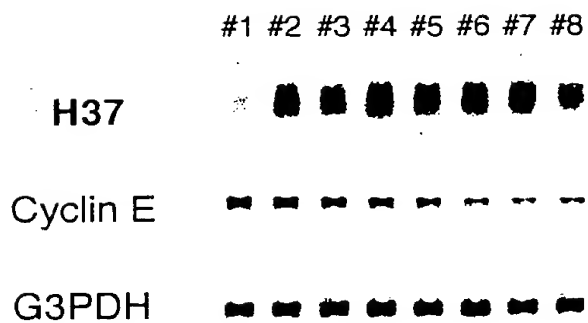
Fig.13



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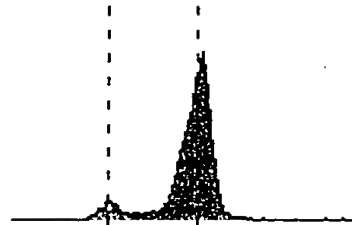
Fig.14



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Fig.15

1 (G2/M)



2 (6h)



3 (12h)



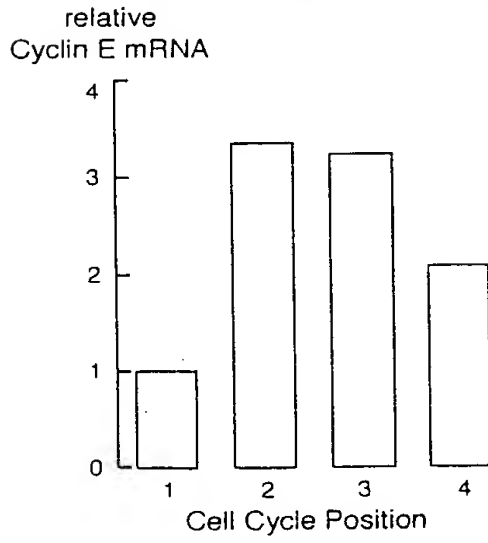
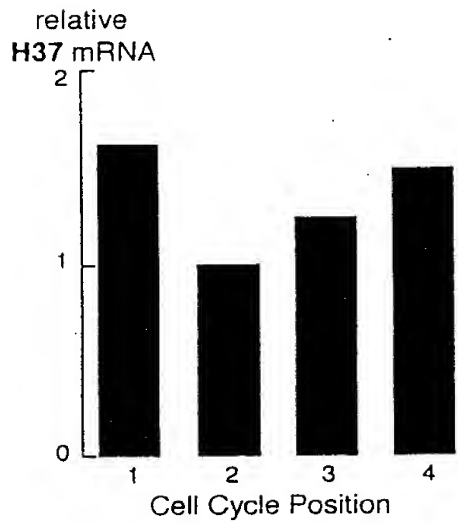
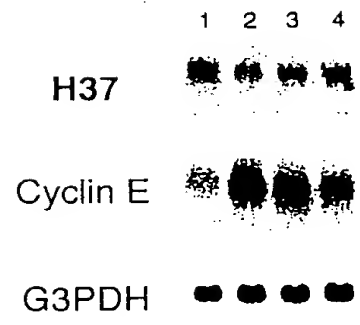
4 (18h)



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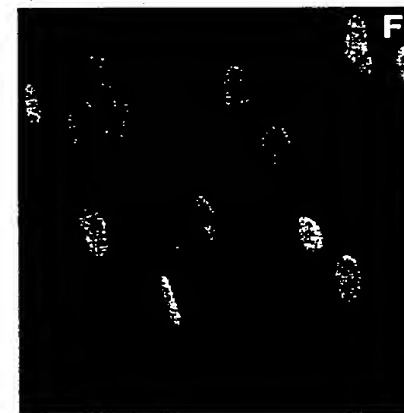
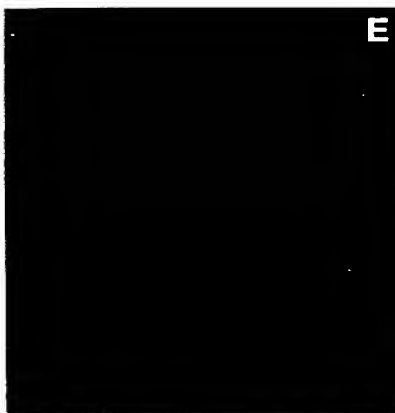
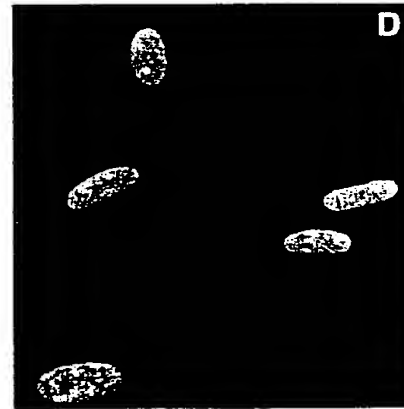
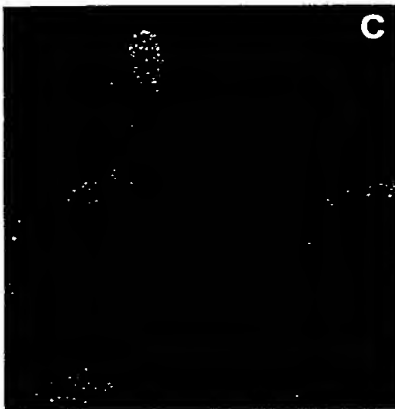
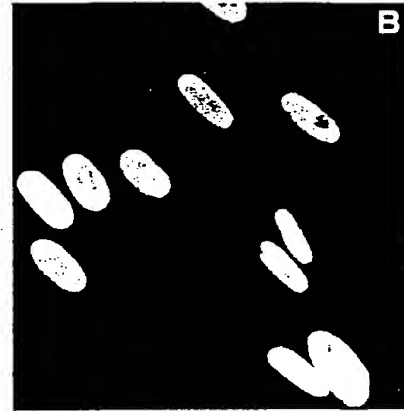
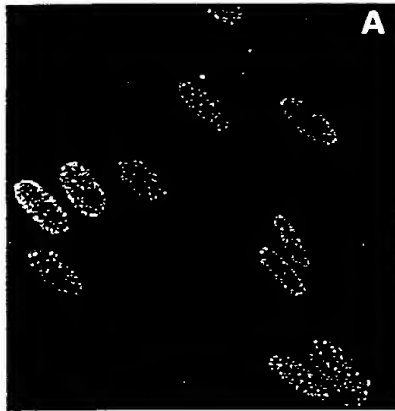
Fig.16



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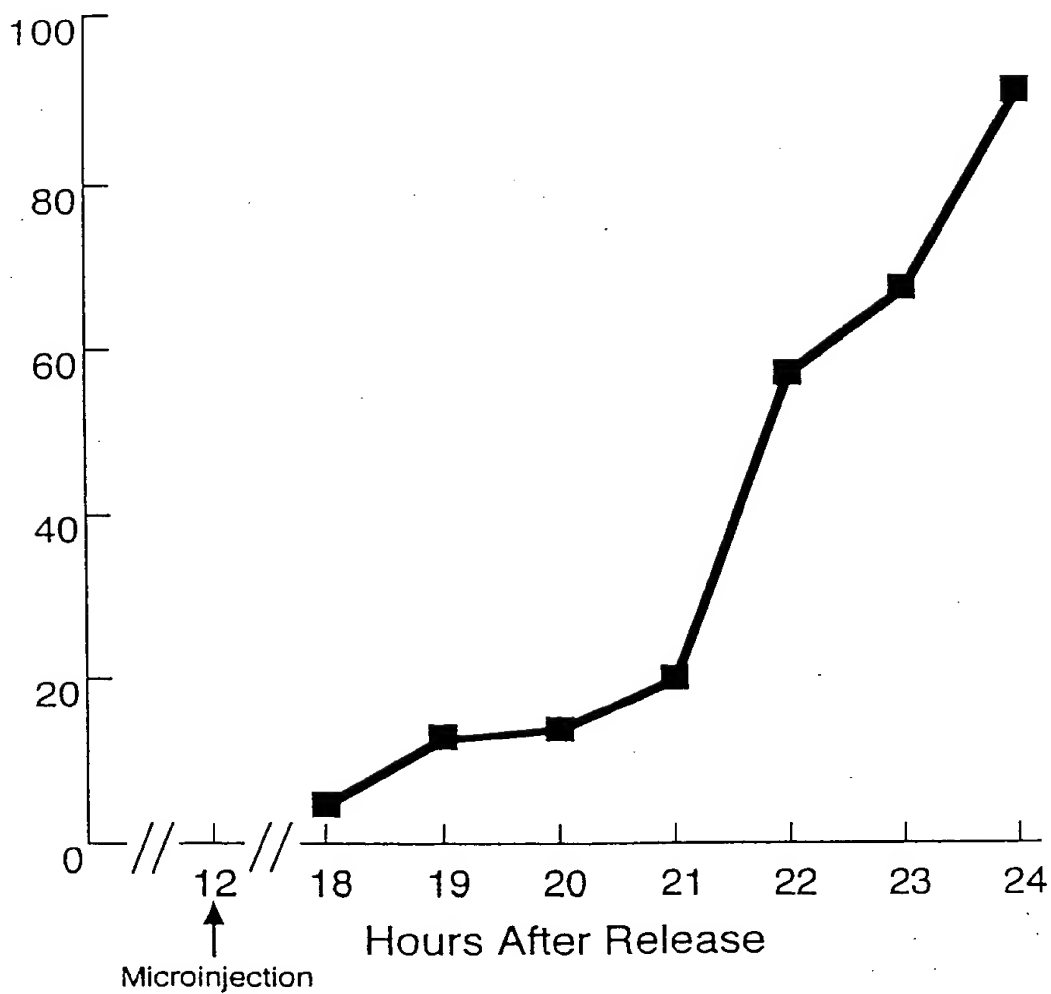
Fig.17



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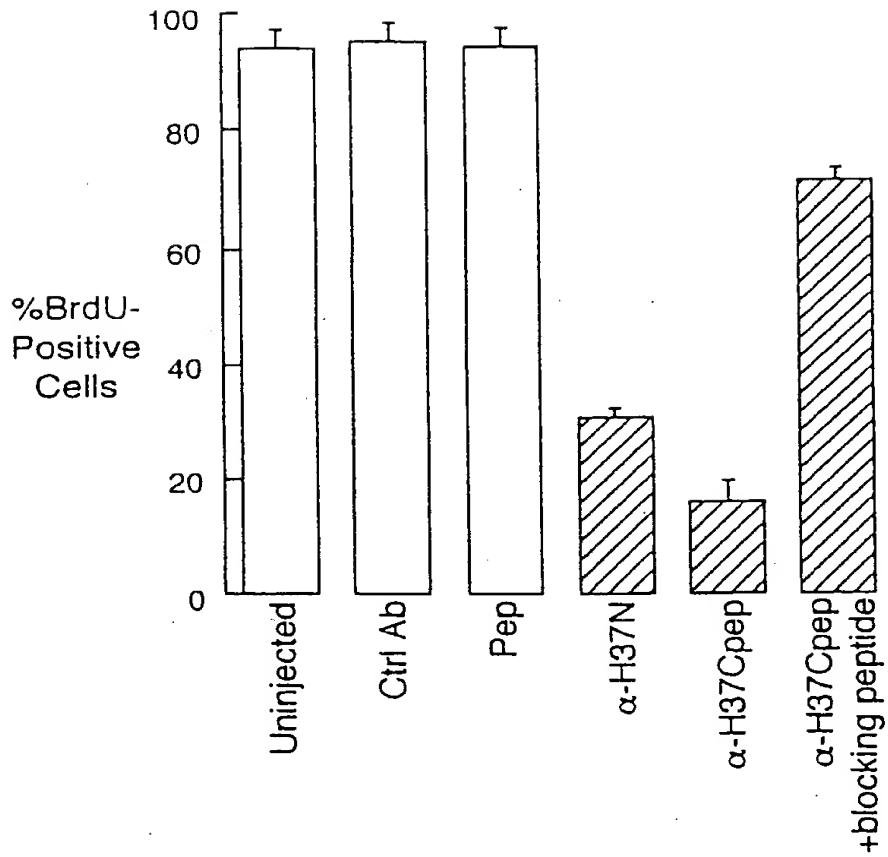
Fig.18

%BrdU-Positive
Cells

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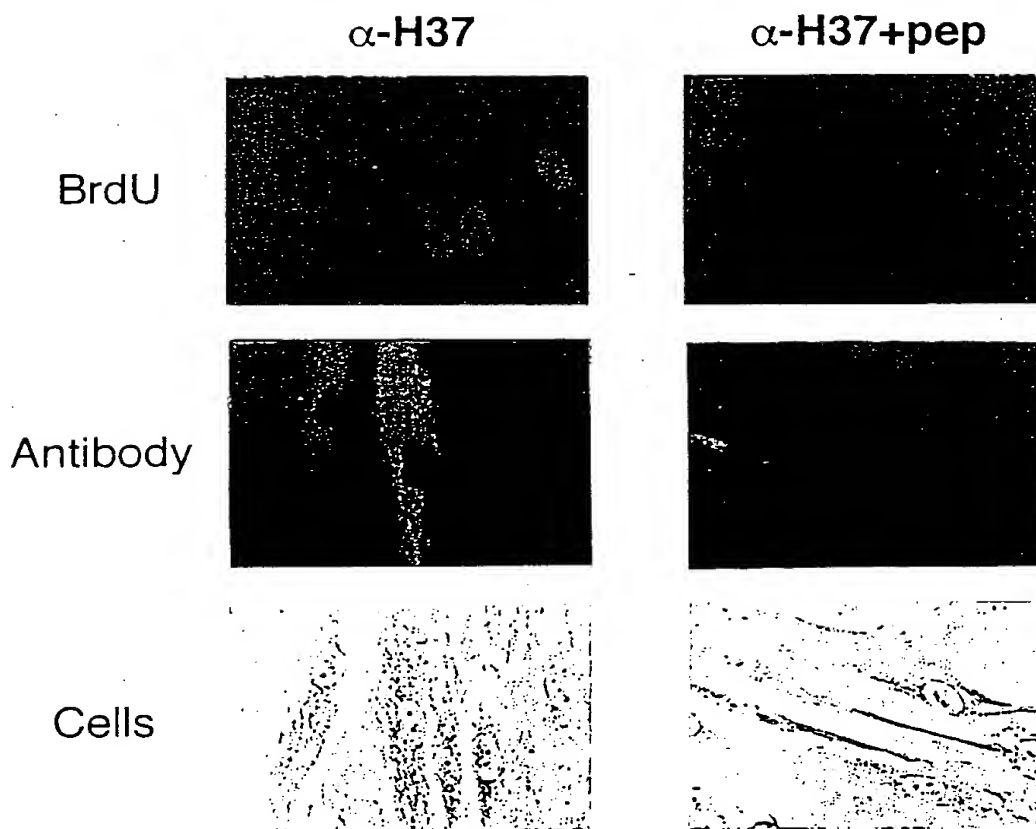
Fig.19



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Fig.20

Microinjection with



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